



BL932700

ORP Mini Controller

with 4-20 mA Recorder Output

- Large Clear LCD
- Fire Retardant Casing
- BNC Connection
- Splash-Resistant Cover

The BL932700 is a compact, ORP process controller designed for applications where space or cost is important. The device may be used with any ORP electrode with a standard BNC connector. Users may choose from automatic or manual dosing modes allowing for easy maintenance and troubleshooting.

Adjustable Dosing Relay

The BL932700 features a dosing relay which may be configured to dose above or below a user programmable mV setpoint.

Selectable Overdose Protection

The mini controller may be programmed to deactivate a valve, pump, or connected device if its activation continues over a selected time; adjustable from 5 to 30 minutes.

Relay Control Override

With the flick of a switch the mini controller's relay can be disabled (OFF), placed in control (AUTO), or be activated for manual operation (ON) which is useful for priming a dosing pump.

Analog Output Communication

The BL932700 features a 4 - 20 mA analog output for connection to a data logger, chart recorder, or other device.

External Disabling Feature

A normally open contact may connect to a level controller or flow monitor. This safety feature may be used to prevent continuous dosing in the event of specific or undesired system conditions.

Matching Pin Connection

A built-in matching pin helps protect the sensor from ground loop effects that may lead to erratic readings or system damage.

Specifications	BL932700
Range	±1000 mV
Resolution	1 mV
Accuracy (@25°C/77°F)	±5 mV
Calibration	manual, with CAL trimmer
Dosing Relay	maximum 2A (fuse protected), 250 Vac, 30 VDC
Dosing Selection	reducing or oxidizing, selectable on the back panel contact open= reductant dosage=relay ON if measure > setpoint contact closed=oxidant dosage=relay ON if measure < setpoint
Setpoint	adjustable from -1000 to 1000 mV
Overtime	adjustable, from 5 to approximately 30 minutes
Recorder Output	4 to 20 mA, accuracy ±0.20 mA, 500 Ω maximum load
Input Impedance	10 ¹² Ohm
Power Supply	BL932700-0: 12 VDC adapter (included); BL932700-1: 115/230 VAC; 50/60Hz
Dimensions	83 x 53 x 99 mm (3.3 x 2.1 x 3.9")
Weight	BL932700-0: 200 g (7.1 oz.) BL932700-1: 300 g (10.6 oz.)
Ordering Information	BL932700-0 (12 VDC) and BL932700-1 (115/230 VAC) are supplied with mounting brackets, transparent cover and instruction manual.
Recommended Probe	HI2001 PVDF body ORP electrode with 1/2" NPT thread, BNC connector and 3 m (9.8') cable for continuous flow-thru monitoring (not included).